

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	13	((YARON) near2 (KEI DAR)).INV.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:21
S2	1178	(606/198).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:22
S3	1	("20050113860").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:22
S4	1654	(606/167).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:22
S5	21	("20020128636"   "20020161424"   "20020169377"   "20030050637"   "20030083613"   "20050222599"   "20060079925"   "3991756"   "4350151"   "4553542"   "4863430"   "4976684"   "5312341"   "5575766"   "5800450"   "5814073"   "5965089"   "6099511"   "6217549"   "6254628"   "0668879"). PN.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:22
S6	8	US-4350151-\$.DID. OR US-5312341-\$.DID. OR US-5575766-\$.DID. OR US-5800450-\$.DID. OR US-20020128636-\$.DID. OR US-20020161424-\$. DID. OR US- 20030050637-\$.DID. OR US-20030083613-\$.DID.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:23
S7	4	((("5814073") or ("4863430") or ("6254628") or ("6099511")).PN.	US-PGPUB; USPAT	OR	OFF	2008/11/20 13:25

S10	6232	(ring or body or tube or cylinder or shaft) same (open\$4 or move\$5 or effect\$3 or slid\$5 or pull\$3 or hinge\$4) same (segment\$4 or slot\$4 or dilat\$4) same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/20 14:47
S11	1336	(ring or body or tube or cylinder or shaft) same (open\$4 or move\$5 or effect\$3 or pull\$3 or hinge\$4) same slid\$5 same (segment\$4 or slot\$4 or dilat\$4) same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/20 14:48
S12	212	(S4 or S2 or S5) and (ring or body or tube or cylinder or shaft) same (open\$4 or move\$5 or effect\$3 or slid\$5 or pull\$3 or hinge\$4) same (segment\$4 or slot\$4 or dilat\$4) same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/20 14:51
S13	38	("0084815"   "0765879"   "3486505"   "3875595"   "4349921"   "4545374"   "4772287"   "5047055"   "5171280"   "5192326"   "5263937"   "5300070"   "5443514"   "5674295"   "5676681"   "5720753"   "5766252"   "5800549"   "5824002"   "6162236"). PN. OR ("6436119"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/20 15:02
S14	12	(ring or body or tube or cylinder or shaft) same (septal) same (open\$4 or move\$5 or effect\$3 or slid\$5 or pull\$3 or hinge\$4) same (split\$5 or segment\$4 or slot\$4 or dilat\$4) same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/20 15:22

S15	126	("0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"   "5707390"   "5713907"   "5762613"   "5766151"   "5800450"   "5816923"   "6015423"   "6436119"   "6520973"   "RE32158"). PN. OR ("6638247"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/20 16:01
S16	1	("6217549").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/21 10:05

S17	1	"20060079925"	US-PGPUB; USPAT	OR	OFF	2008/11/21 10:10
S18	116	("0832201"   "1127948"   "1267066"   "2621651"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4862874"   "5001556"   "5011488"   "5019040"   "5030201"   "5034001"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5179961"   "5180368"   "5192290"   "5193546"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5649941"   "5653684"   "5662671"   "5688234"   "5707390"   "5713907"   "5800450"   "5816923"   "Re32158"). PN. OR ("6217549"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/21 10:11
S20	1298	(ring or body or tube or cylinder or shaft) same (open\$4 or move\$5 or effect\$3 or slid\$5 or pull \$3 or hinge\$4) same (segment\$4 or split\$4 or slot\$4 or dilat\$4) same needle same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/21 10:18

S21	291	(ring or body or tube or cylinder or shaft) same (open\$4 or move\$5 or effect\$3 or pull\$3 or hinge \$4) same slid\$5 same (segment\$4 or split\$4 or slot\$4 or dilat\$4) same needle same (tip or puncture) and (medical or surgical or surgery)	US-PGPUB; USPAT	OR	ON	2008/11/21 10:18
S22	1654	(606/167).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/11/21 10:52
S23	11	("5201752"   "5352235"). PN. OR ("5522839"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/21 11:21
S25	2	((("6564078") or ("7079883"))).PN.	US-PGPUB; USPAT	OR	OFF	2008/11/21 13:39
S26	1	("6254628").PN.	US-PGPUB; USPAT	OR	OFF	2008/11/21 14:56
S27	2	((("20050222599") or ("6099511"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/07/10 13:58
S28	5040	(heart or transseptal or septum or atrium) same (needle or puncture or sharp or penetrat\$4) same (dilat\$4 or expand \$4 or open or opening or opened) and (medical or surgical or surgery)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/11 12:17
S34	303	(heart or transseptal or septum or atrium) same (needle or puncture or sharp or penetrat\$4) same (dilat\$4 or expand \$4 or open or opening or opened) same (hing\$4 or joint or articulat\$4 or pivot \$4) and (medical or surgical or surgery)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/11 12:22
S36	1802	(606/167).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/11 14:15
S37	1219	(606/198).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/11 14:16
S39	7	(S36 and S37) NOT S34	US-PGPUB; USPAT	OR	ON	2010/02/11 14:16

S40	65	("2253132"   "2400251"   "2631585"   "3580313"   "3657744"   "4156424"   "4254763"   "4617916"   "4945897"   "5026376"   "5027793"   "5122130"   "5174278"   "5308349"   "5397330"   "5536251"   "5562679"   "5569300"   "5618260"   "5681265"   "5735849"   "5755726"   "D275790"   "D319877"). PN. OR ("6099547"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 14:18
S42	20	(US-20060079925-\$ or US-20020169377-\$ or US- 20060287574-\$ or US- 20080142566-\$ or US- 20040249393-\$ or US- 20010018596-\$ or US- 20060167487-\$ or US- 20060178693-\$ or US- 20080065144-\$).did. or (US-6217549-\$ or US- 0668879-\$ or US- 5683451-\$ or US- 5685826-\$ or US- 6436119-\$ or US- 0765879-\$ or US- 6638247-\$ or US- 5423846-\$ or US- 5522839-\$ or US- 7079883-\$ or US- 6564078-\$).did.	US-PGPUB; USPAT	OR	ON	2010/02/11 14:32
S44	121	("0832201"   "1127948"   "1267066"   "2621651"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4862874"   "5001556"   "5011488"   "5019040"   "5030201"   "5034001"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5179961"   "5180368"   "5192290"   "5193546"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 14:34

		"5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5649941"   "5653684"   "5662671"   "5688234"   "5707390"   "5713907"   "5800450"   "5816923"   "Re32158"). PN. OR ("6217549"). URPN.				
S45	119	("0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5263967"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 14:53

		"5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5569298"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"   "5707390"   "5713907"   "5728123"   "5752973"   "5762613"   "5766151"   "5800450"   "5816923"   "5893875"   "5964779"   "5968064"   "6010449"   "6015423"   "6120516"   "6217549"   "6398798"   "6436119"   "6508825"   "6520973"   "RE32158"). PN. OR ("6746462"). URPN.				
S47	121	("0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5263967"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 14:54



		"5484412"   "5486170"   "5486193"   "5490859"   "5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5569298"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"   "5707390"   "5713907"   "5752973"   "5762613"   "5766151"   "5800450"   "5816923"   "5893875"   "5964779"   "5968064"   "6010449"   "6015423"   "6120516"   "6217549"   "6398798"   "6436119"   "6508825"   "6520973"   "RE32158").PN. OR ("6800085").URPN.				
S48	34	(S45 or S47) NOT (S44 or S34 or S39 or S40 or S42)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 14:59
S50	106	("0832201"   "1127948"   "1267066"   "2621651"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 15:06

		"5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5653684"   "5688234"   "5707390"   "5713907"   "5766151"   "5800450"   "5816923"   "6010449"   "6015423"   "RE32158"). PN. OR ("6398798"). URPN.				
S51	129	("0728175"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 15:07

		"5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5688234"   "5695515"   "5707390"   "5713907"   "5752973"   "5766151"   "5800450"   "5816923"   "5968064"   "6015423"   "RE32158"). PN. OR ("6508825"). URPN.				
S52	13	(S50 or S51) NOT (S44 or S34 or S39 or S40 or S42 or S45 or S47)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/11 15:08
S53	2958	(S36 or S37) NOT (S34 or S39 or S40 or S42 or S44 or S45 or S47 or S50 or S51)	US-PGPUB; USPAT	OR	ON	2010/02/11 15:08
S71	2954	(S55 or S56) NOT (S54 or S57 or S58 or S59 or S60 or S61 or S62 or S63 or S64 or S68 or S69)	US-PGPUB; USPAT	OR	ON	2010/02/11 18:46
S74	1	("20050049634").PN.	US-PGPUB; USPAT	OR	OFF	2010/02/12 11:10
S75	67	("1863057"   "1909967"   "2854983"   "2936760"   "3039468"   "3253594"   "3397699"   "3417745"   "3459175"   "3495586"   "3774596"   "3800788"   "3882852"   "3915171"   "4077412"   "4083369"   "4177814"   "4198981"   "4228802"   "4230119"   "4295464"   "4312353"   "4447227"   "4501266"   "4555242"   "4572186"   "4585000"   "4589868"   "4608965"   "4610662"   "4651717"   "4706670"   "4779611"   "4798205"   "4800901"   "4802479"   "4861334"   "4875468"   "4899729"   "4921478"   "4927412"   "4932956"   "4954126"   "4966583"   "4984564"   "4994047"   "4998539"   "5002557"   "5041093"   "5042976"   "5122122"   "5163949"   "5514091").PN. OR ("6451042").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 18:37

S76	311	(606/119).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:37
S77	1277	(606/191).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:37
S78	1568	(S76 or S77)	US-PGPUB; USPAT	OR	ON	2010/02/12 21:37
S79	303	(heart or transeptal or septum or atrium) same (needle or puncture or sharp or penetrat\$4) same (dilat\$4 or expand \$4 or open or opening or opened) same (hing\$4 or joint or articulat\$4 or pivot \$4) and (medical or surgical or surgery)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/12 21:37
S80	1802	(606/167).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:37
S81	1219	(606/198).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:37
S82	7	(S80 and S81) NOT S79	US-PGPUB; USPAT	OR	ON	2010/02/12 21:37
S83	65	("2253132"   "2400251"   "2631585"   "3580313"   "3657744"   "4156424"   "4254763"   "4617916"   "4945897"   "5026376"   "5027793"   "5122130"   "5174278"   "5308349"   "5397330"   "5536251"   "5562679"   "5569300"   "5618260"   "5681265"   "5735849"   "5755726"   "D275790"   "D319877"). PN. OR ("6099547"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37
S84	20	(US-20060079925-\$ or US-20020169377-\$ or US- 20060287574-\$ or US- 20080142566-\$ or US- 20040249393-\$ or US- 20010018596-\$ or US- 20060167487-\$ or US- 20060178693-\$ or US- 20080065144-\$).did. or (US-6217549-\$ or US- 0668879-\$ or US- 5683451-\$ or US- 5685826-\$ or US- 6436119-\$ or US- 0765879-\$ or US- 6638247-\$ or US- 5423846-\$ or US-	US-PGPUB; USPAT	OR	ON	2010/02/12 21:37

		5522839-\$ or US- 7079883-\$ or US- 6564078-\$).did.				
S85	121	("0832201"   "1127948"   "1267066"   "2621651"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4862874"   "5001556"   "5011488"   "5019040"   "5030201"   "5034001"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5179961"   "5180368"   "5192290"   "5193546"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5649941"   "5653684"   "5662671"   "5688234"   "5707390"   "5713907"   "5800450"   "5816923"   "Re32158"). PN. OR ("6217549"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37

S86	119	("0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5263967"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5569298"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"   "5707390"   "5713907"   "5728123"   "5752973"   "5762613"   "5766151"   "5800450"   "5816923"   "5893875"   "5964779"   "5968064"   "6010449"   "6015423"   "6120516"   "6217549"   "6398798"   "6436119"   "6508825"   "6520973"   "RE32158").	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37
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		PN. OR ("6746462"). URPN.				
S87	121	("0728175"   "0765879"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5263967"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5493000"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5569298"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5683451"   "5688234"   "5695515"   "5707390"   "5713907"   "5752973"   "5762613"   "5766151"   "5800450"   "5816923"   "5893875"   "5964779"   "5968064"   "6010449"   "6015423"   "6120516"   "6217549"   "6398798"   "6436119"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37

		"6508825"   "6520973"   "RE32158").PN. OR ("6800085").URPN.				
S88	106	("0832201"   "1127948"   "1267066"   "2621651"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5653684"   "5688234"   "5707390"   "5713907"   "5766151"   "5800450"   "5816923"   "6010449"   "6015423"   "RE32158"). PN. OR ("6398798"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37



S89	129	("0728175"   "0832201"   "1127948"   "1267066"   "2621651"   "2854983"   "3640270"   "3667474"   "4043323"   "4355643"   "4541433"   "4572186"   "4585000"   "4630609"   "4648402"   "4669467"   "4681110"   "4698057"   "4723549"   "4737142"   "4787388"   "4794928"   "4848336"   "4862874"   "4919112"   "5001556"   "5002041"   "5011488"   "5019040"   "5030201"   "5034001"   "5089006"   "5092839"   "5098381"   "5099850"   "5100425"   "5102390"   "5114414"   "5156594"   "5179961"   "5180368"   "5192290"   "5193546"   "5197971"   "5209729"   "5211654"   "5217484"   "5263959"   "5263963"   "5279565"   "5282817"   "5304199"   "5321501"   "5334210"   "5336252"   "5350377"   "5351678"   "5383467"   "5409453"   "5415636"   "5423846"   "5439000"   "5456667"   "5459570"   "5484412"   "5486170"   "5486193"   "5490859"   "5499995"   "5501694"   "5507295"   "5507296"   "5511559"   "5522819"   "5540707"   "5556408"   "5573531"   "5599306"   "5618300"   "5626599"   "5626607"   "5632746"   "5649941"   "5653684"   "5662671"   "5688234"   "5695515"   "5707390"   "5713907"   "5752973"   "5766151"   "5800450"   "5816923"   "5968064"   "6015423"   "RE32158"). PN. OR ("6508825"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37
S90	13	(S88 or S89) NOT (S85 or S79 or S82 or S83 or S84 or S86 or S87)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37

S91	14	("0319296"   "0832201"   "1331737"   "5454365"   "5645547"   "5685826"   "5695515"   "5871504"   "5888196"   "6398798"   "6436119").PN. OR ("7211098").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 21:37
S93	2954	(S80 or S81) NOT (S79 or S82 or S83 or S84 or S85 or S86 or S87 or S88 or S89 or S90 or S91)	US-PGPUB; USPAT	OR	ON	2010/02/12 21:39
S94	1355	(S78) NOT (S93 or S80 or S81 or S79 or S82 or S83 or S84 or S85 or S86 or S87 or S88 or S89 or S90 or S91)	US-PGPUB; USPAT	OR	ON	2010/02/12 21:39
S95	680	(606/181).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:42
S96	276	(606/184).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:42
S97	898	(606/185).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/02/12 21:42
S98	1775	(S95 or S96 or S97)	US-PGPUB; USPAT	OR	ON	2010/02/12 21:42
S99	1549	(S98) NOT (S78 or S93 or S80 or S81 or S79 or S82 or S83 or S84 or S85 or S86 or S87 or S88 or S89 or S90 or S91)	US-PGPUB; USPAT	OR	ON	2010/02/12 21:43
S100	48	("4846791"   "5209736"   "5263937"   "5320611"   "5389077"   "5431676"   "5562677").PN. OR ("6162236").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/12 22:25
S115	74	("20010029377"   "20010029377"   "20010031968"   "20010031969"   "20020123754"   "20020143343"   "20020198532"   "20030069586"   "20030078590"   "20030125739"   "20030149438"   "20030212404"   "20030225416"   "20030225416"   "20040039397"   "20040039397"   "20040078079"   "20040102790"	US-PGPUB; USPAT	OR	ON	2010/02/13 10:16

		"20040106927"   "20040117019"   "20040167535"   "20040167536"   "20040172037"   "20040225295"   "20040225295"   "20050010213"   "20050027300"   "20050043741"   "20050075644"   "20050119665"   "20050119665"   "20050143747"   "20050143747"   "20050159756"   "20050165408"   "20060074432"   "20060074432"   "3486505"   "4898161"   "4997432"   "5015247"   "5304119"   "5401269"   "5431658"   "5484437"   "5505732"   "5722977"   "5741253"   "5885299"   "5951564"   "6042582"   "6063088"   "6083225"   "6113602"   "6159215"   "6200322"   "6261296"   "6261296"   "6267763"   "6277122"   "6436119"   "6440142"   "6520967"   "6551316"   "6551316"   "6575981"   "6582437"   "6589247"   "6599291"   "6648888"   "6648895"   "6663638"   "6712825"   "6712825"   "6719760"   "6743234"   "6814737"   "6936071"   "7081118"   "7083649"   "7235101"   "7273496"   "7585326"   "7618444").PN.				
S116	1	(09/989055).APP.	USPAT; USOCR	OR	ON	2010/02/13 14:09

S117	204	("2370776"   "3254650"   "3254651"   "3519187"   "3774615"   "4118806"   "4214587"   "4217664"   "4350160"   "4352358"   "4366819"   "4368736"   "4503568"   "4523592"   "4534761"   "4553542"   "4577631"   "4589416"   "4593693"   "4603693"   "4607637"   "4624255"   "4624257"   "4657019"   "4665906"   "4721109"   "4747407"   "4752024"   "4773420"   "4861330"   "4875815"   "4883453"   "4892098"   "4907591"   "4917087"   "4917090"   "4917091"   "4930674"   "5005749"   "5015238"   "5062842"   "5089006"   "5104025"   "5119983"   "5129913"   "5156613"   "5156619"   "5171262"   "5178634"   "5187796"   "5192289"   "5193731"   "5205459"   "5211683"   "5217474"   "5221259"   "5221281"   "5222963"   "5234447"   "5250058"   "5250060"   "5271544"   "5275322"   "5285945"   "5290298"   "5292053"   "5304220"   "5314435"   "5314468"   "5326205"   "5333773"   "5336233"   "5350104"   "5354302"   "5364389"   "5366462"   "5392979"   "5395030"   "5395311"   "5401131"   "5403338"   "5443497"   "5447514"   "5454825"   "5456712"   "5456714"   "5464449"   "5465895"   "5478354"   "5503635"   "5515478"   "5522834"   "5524180"   "5533661"   "5540677"   "5553198"   "5556405"   "5558667"   "5571167"   "5643340"   "5645520"   "5657429"   "5669918"   "5669934"   "5676670"   "5693088"   "5695504"   "5702412"   "5707362"   "5707380"   "5709335"   "5709693"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/13 14:09
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		"5725544"   "5725553"   "5732872"   "5754741"   "5755778"   "5762458"   "5779718"   "5792135"   "5797900"   "5797920"   "5799661"   "5799857"   "5807377").PN. OR ("5814073"   "5815640"   "5817113"   "5827316"   "5833698"   "5841950"   "5855583"   "5868763"   "5875782"   "5878193"   "5879371"   "5881943"   "5893369"   "5904697"   "5907664"   "5911036"   "5915616"   "5921995"   "5944730"   "5947363"   "5957363"   "5968089"   "5972014"   "5976159"   "6001124"   "6007544"   "6013190"   "6015416"   "6022367"   "6024748"   "6030370"   "6030395"   "6036699"   "6036700"   "6036702"   "6036703"   "6036704"   "6036705"   "6050472"   "6053390"   "6056762"   "6066144"   "6066148"   "6068637"   "6074416"   "6080167"   "6080173"   "6083234"   "6110188"   "6113612"   "6117148"   "6120432"   "6146393"   "6149681"   "6152937"   "6152945"   "6165185"   "6167889"   "6171319"   "6171321"   "6176413"   "6176864"   "6186942"   "6187019"   "6187020"   "6190396"   "6190397"   "6190590"   "6193129"   "6193734"   "6206912"   "6206913"   "6235054"   "6485496"). PN. OR ("6893449"). URPN.				
S118	1	("6451042").PN.	US-PGPUB; USPAT	OR	OFF	2010/02/16 11:23

S119	67	("1863057"   "1909967"   "2854983"   "2936760"   "3039468"   "3253594"   "3397699"   "3417745"   "3459175"   "3495586"   "3774596"   "3800788"   "3882852"   "3915171"   "4077412"   "4083369"   "4177814"   "4198981"   "4228802"   "4230119"   "4295464"   "4312353"   "4447227"   "4501266"   "4555242"   "4572186"   "4585000"   "4589868"   "4608965"   "4610662"   "4651717"   "4706670"   "4779611"   "4798205"   "4800901"   "4802479"   "4861334"   "4875468"   "4899729"   "4921478"   "4927412"   "4932956"   "4954126"   "4966583"   "4984564"   "4994047"   "4998539"   "5002557"   "5041093"   "5042976"   "5122122"   "5163949"   "5514091").PN. OR ("6451042").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 11:23
S120	7	((("6217549") or ("20050222599") or ("6099511") or ("20060079925") or ("6254628") or ("5814073") or ("4863430")).PN.	US-PGPUB; USPAT	OR	OFF	2010/02/16 11:49
S121	3	((("4976684") or ("3991756") or ("4553542")).PN.	US-PGPUB; USPAT	OR	OFF	2010/02/16 11:50
S122	46	("1870942"   "2854983"   "3108595"   "3397699"   "3716051"   "3779239"   "3961632"   "4224929"   "4409974"   "4453539"   "4608965"   "4716893"   "4721103"   "4921478"   "4984564"   "5053009"   "5122122").PN. OR ("5685826").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 13:11
S123	32	("1863057"   "2072346"   "3713447"   "4571241"). PN. OR ("5053009"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 13:25

S124	49	("0817973"   "20020072768"   "4204531"   "4854312"   "4995868"   "5059193"   "5074871"   "5108404"   "5171278"   "5390683"   "5423850"   "5480400"   "5554101"   "5637097"   "5685826"   "5690606"   "5693100"   "5707390"   "5755732"   "5782713"   "5782747"   "5785647"   "5827289"   "5865802"   "5882340"   "5972015"   "6039761"   "6127597"   "6146401"   "6149664"   "6187015"   "6190381"   "6214016"   "6228068"   "6228082"   "6325812"). PN. OR ("6676665"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 13:34
S125	76	(S123 or S124) NOT (S119 or S122)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 13:36
S126	70	("1870942"   "2072346"   "2556783"   "2616429"   "3397699").PN. OR ("3713447").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 13:47
S138	136	("0832201"   "1433031"   "1863057"   "2854983"   "3108595"   "3397699"   "3517128"   "3557794"   "3716051"   "3779239"   "3968800"   "4409974"   "4453539"   "4608965"   "4716893"   "4721103"   "4909789"   "4995868"   "5002557"   "5053009"   "5122122").PN. OR ("5454365").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 14:15
S140	61	("1870942"   "2854983"   "3108595"   "3397699"   "3716051"   "3779239"   "3961632"   "4224929"   "4409974"   "4453539"   "4608965"   "4716893"   "4721103"   "4921478"   "4984564"   "5053009"   "5122122").PN. OR ("5888196").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 14:18
S141	186	(S126 or S138 or S140) NOT (S119 or S122 or S123 or S124)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 14:26

S142	88	("1719428"   "1828986"   "1863057"   "1870942"   "2556783"   "3108595"   "3397699"   "3692029"   "3713447"   "3717151"   "3915171"   "3938530"   "3946741"   "4535773"   "4617929"   "4655752"   "4716901"   "4944732"   "4995868"   "5007900"   "5122114"   "5122122"   "5147316"   "5152754"   "5176649"   "5201742"   "5203773"   "5209741"   "5217441"   "5217451"   "5221281"   "5224951"   "5234447"   "5242409"   "5246424"   "5248302"   "5256147"   "5256149"   "5257973"   "5279567"   "5284474"   "5290249"   "5300036"   "5324268"   "5336206"   "5338305"   "5350393"   "5352206"   "5354283"   "5356421"   "5366445"   "5368607"   "5370625"   "5391156"). PN. OR ("5817062"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 14:51
S143	65	(S142) NOT (S126 or S138 or S140 or S119 or S122 or S123 or S124)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 15:22
S144	40	("0318535"   "1719428"   "1733189"   "1870942"   "3108595").PN. OR ("3946741").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 15:24
S145	22	(S144) NOT (S142 or S126 or S138 or S140 or S119 or S122 or S123 or S124)	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/16 15:38

2/16/2010 11:32:26 PM

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